

09/196 345

**OFFICIAL**

MR2287-10

**--LIQUID PURIFICATION SYSTEM AND METHOD FOR****DECONTAMINATING MICROBE INFESTED LIQUID****ABSTRACT OF THE DISCLOSURE**

A liquid purification system (10) and method for decontaminating microbe infested liquid (14) is provided. The liquid purification system (10) includes a primary tank (18) which contains both a purifying liquid composition (24) and an initially treated microbe infested liquid (44) with the liquids being immiscible with respect to each other. A heating element (30) is immersed in the primary tank (18) for heating the purifying liquid composition (24). Microbe infested liquid (14) passes through a secondary conduit (16) and is inserted into the primary tank (18) where the microbe infested liquid (14) is heated by contact with the heat purifying liquid composition (24) and descends to a lower portion of the primary tank (18). A primary conduit (34) is mounted within the primary tank (18) and secondarily heats the initially treated microbe infested liquid (44) to provide a purified liquid composition.--

**FAX RECEIVED****DEC 03 1999****GROUP 1700**

1